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PTO/SB/05 (11-00)  
Approved for use through 10-31-2002. OMB 0651-0032  
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE  
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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.

X-1069 US

First Inventor

David P. Schultz

Title

Method and System for Flexible Nesting JTAG Tap Controllers  
for FPGA-Based System-on-Chip (SoC)

Express Mail Label No.

EV 000377548 US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2. ☒ Specification [Total Pages **22**]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross References to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Reference to sequent listing, a table, or a  
computer program listing appendix  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure
3. ☒ Drawing(s) (35 USC 113) [Total Sheets **03**]
4. Oath or Declaration [Total Pages **01**]  
a. ☒ Newly Executed (original or copy)  
b. ☐ Copy from a prior application (37 CFR §1.63(d))  
(for continuation/divisional with Box 16 completed)  
i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting  
inventor(s) named in the prior application,  
see 37 CFR 1.63(d)(2) and 1.33(b).
5. ☒ Application Data Sheet. See 37 CFR 1.76

6. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
7. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a. ☐ Computer Readable Copy  
b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ paper  
c. ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

8. ☒ Assignment Papers (cover sheet & document(s))
9. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
10. ☐ English Translation Document (if applicable)
11. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
14. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
15. ☒ Request and Certification under 35 U.S.C 122  
(b)(2)(B). Applicant must attach form PTO/SB/35  
or its equivalent.
16. ☐ Other: .....

17. If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information below and in a preliminary amendment;  
or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: .....

Prior application information: Examiner: ..... Group / Art Unit: .....

For **CONTINUATION** or **DIVISIONAL APPS** only: The entire disclosure of the prior application, from which an oath or declaration is supplied  
under Box 4b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by  
reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 18. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label**24309**

(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

Name

Attn: H. C. Chan

Address

City

State

Zip Code

Country

Telephone

408-879-6149

Fax

408-377-6137

Name (Print/Type)

H. C. Chan

Registration No. (Attorney/Agent)

35,477

Signature



Date

February 28, 2002

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Box Patent Application, Washington, DC 20231.

# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT (\$ 948.00)

## Complete if Known

Application Number	Unknown
Filing Date	February 28, 2002
First Named Inventor	David P. Schultz
Examiner Name	Unknown
Group /Art Unit	Unknown
Attorney Docket No.	X-1069 US

## METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit  
Account  
Number

24-0040

Deposit  
Account  
Name

XILINX, INC.

☐ Charge Any Additional Fee Required  
Under 37 CFR §§ 1.16 and 1.17

2. ☐ Payment Enclosed:

☐ Check ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

#### Large Entity

Fee Code	Fee (\$)	Fee Description	Fee Paid
101	740	Utility filing fee	\$740
106	320	Design filing fee	
107	490	Plant filing fee	
108	740	Reissue filing fee	
114	160	Provisional filing fee	
<b>SUBTOTAL (1)</b>			<b>(\$ 740.00)</b>

### 2. EXTRA CLAIM FEES

Total Claims	Extra	Fee from below	Fee Paid
20	20** = 0	X	\$0
05	3** = 2	X	\$168
Multiple Dependent			

#### Large Entity

Fee Code	Fee (\$)	Fee Description
103	18	Claims in excess of 20
102	84	Independent claims in excess of 3
104	270	Multiple dependent claim, if not paid
109	84	**Reissue independent claims over original patent
110	18	**Reissue claims in excess of 20 and over original patent
<b>SUBTOTAL (2)</b>		

(\$ 168.00)

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

### 3. ADDITIONAL FEES

Large Entity  
Fee Fee

Code	Fee (\$)	Fee Description	Fee Paid
105	130	Surcharge - late filing fee or oath	
127	50	Surcharge - late provisional filing fee or cover sheet	
147	2,520	For filing a request for reexamination	
112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	Requesting publication of SIR after Examiner action	
115	110	Extension for reply within first month	
116	400	Extension for reply within second month	
117	920	Extension for reply within third month	
118	1,440	Extension for reply within fourth month	
128	1,960	Extension for reply within fifth month	
119	320	Notice of Appeal	
120	320	Filing a brief in support of an appeal	
121	270	Request for oral hearing	
138	1,510	Petition to institute a public use proceeding	
140	110	Petition to revive - unavoidable	
141	1,240	Petition to revive - unintentional	
142	1,240	Utility issue fee (or reissue)	
122	130	Petitions to the Commissioner	
123	50	Petitions related to provisional applications	
126	240	Submission of Information Disclosure Stmt	
581	40	Recording each patent assignment per property (times number of properties)	\$40
146	710	Filing a submission after final rejection (37 CFR 1.129(a))	
149	710	For each additional invention to be examined (37 CFR 1.129(b))	
179	710	Request for Continued Examination (RCE)	
Other fee (specify)			

\*Reduced by Basic Filing Fee Paid **SUBTOTAL (3)** (\$ 40.00)

## SUBMITTED BY

Name (Print/Type) H. C. Chan

Registration No.  
(Attorney/Agent)

35,477

## Complete (if applicable)

Telephone

408-879-6149

Signature

Date

02-28-2002

**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**

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PTO/SB/35 (11-00)

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U.S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE

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**REQUEST AND CERTIFICATION  
UNDER  
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor

David P. Schultz

Title

Method and System for Flexible Nesting JTAG Tap  
Controllers for FPGA-Based System-on-Chip (SoC)

Atty Docket Number

X-1069 US

I hereby certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

February 28, 2002

Date



Signature

H. C. Chan Reg. No. 35,477

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

Burden Hour Statement: This collection of information is required by 37 CFR 1.213(a). The information is used by the public to request that an application not be published under 35 U.S.C. 122(b) (and the PTO to process that request). Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This form is estimated to take 6 minutes to complete. This time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.